ABSTRACT OF THE DISCLOSURE

A self-updating grid mechanism using peer-to-peer platform protocols. A compute node may send another node information about its compute node configuration using peer-to-peer platform protocols. The other node may be a master node configured to manage a grid of one or more compute nodes, another compute node, or some other peer node. In one embodiment, the other node may be a logically nearby node to the compute node. In one embodiment, the compute node may discover the other node using peer-to-peer platform protocols. The other node may determine if the compute node configuration needs to be updated from the compute node configuration information. If the compute node configuration needs to be updated, the other node may send update information to the compute node using peer-to-peer platform protocols. The compute node may then update its compute node configuration according to the update information.